

WHAT IS CLAIMED IS:

1. A method of outputting an image signal, comprising the steps of:

focusing an image from a subject onto a pair of sensor arrays each consisting of a plurality of light-sensitive cells; quantizing outputs from said light-sensitive cells contained in a quantization and conversion region of each sensor array having a preset width; and

varying the width of said quantization and conversion region according to a difference in sensitivity between said sensor arrays or between said light-sensitive cells during the quantization.

2. An image signal output device comprising:

a pair of sensor arrays each consisting of a plurality of light-sensitive cells onto which an image from a subject is focused; and

a quantization portion for quantizing outputs from said light-sensitive cells contained in a quantization and conversion region of each sensor array having a preset width;

wherein said quantization portion includes varying portion for varying the width of the quantization and conversion region according to a difference in sensitivity between said sensor arrays or between said light-sensitive cells during the quantization.

3. An image signal output device comprising:

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a pair of sensor arrays each consisting of a plurality of light-sensitive cells onto which an image from a subject is focused; and

a quantization portion for quantizing outputs from said light-sensitive cells contained in a quantization and conversion region of each sensor array having a preset width;

wherein the width of said quantization and conversion region is determined by first and second reference voltages;

wherein said first reference voltage is set to a common value where the outputs from the sensor arrays are quantized; and

wherein said second reference voltage is set to a different value for each different sensor array or for each different light-sensitive cell.

4. The image signal output device of claim 3, wherein said second reference voltage is set according to a difference between the outputs from the sensor arrays or from the light-sensitive cells which are produced when images from a common measurement region are brought to a focus.

5. A rangefinder comprising an image signal output device set forth in any one of claims 2 to 4 and a control portion for finding a measurement value that varies according to the distance to the subject based on an output from the quantizing portion corresponding to outputs from said sensor arrays.

6. An imaging device comprising:

a rangefinder set forth in claim 5;

an objective lens;

a focusing portion onto which an image of the subject passed through said objective lens is focused; and

a focusing control portion for performing a focusing operation between said objective lens and said focusing portion according to said measurement value found by said control portion.